



Attorney's Docket No.: 10982103-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : D. Amnon Silverstein                      Art Unit : 2612  
Serial No. : 09/484,667                                      Examiner : Rosendale, Matthew L.  
Filed : Jan. 18, 2000  
Title : POINTING DEVICE FOR DIGITAL CAMERA DISPLAY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

EXHIBIT B

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Date

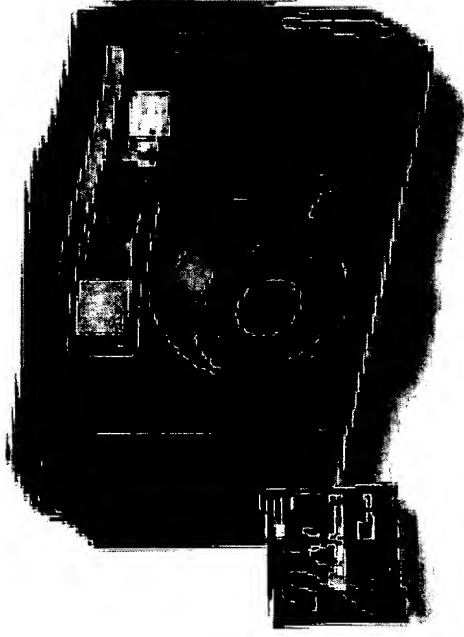
(Signature of person mailing papers)

Edouard Garcia

(Typed or printed name of person mailing papers)

# Capybara

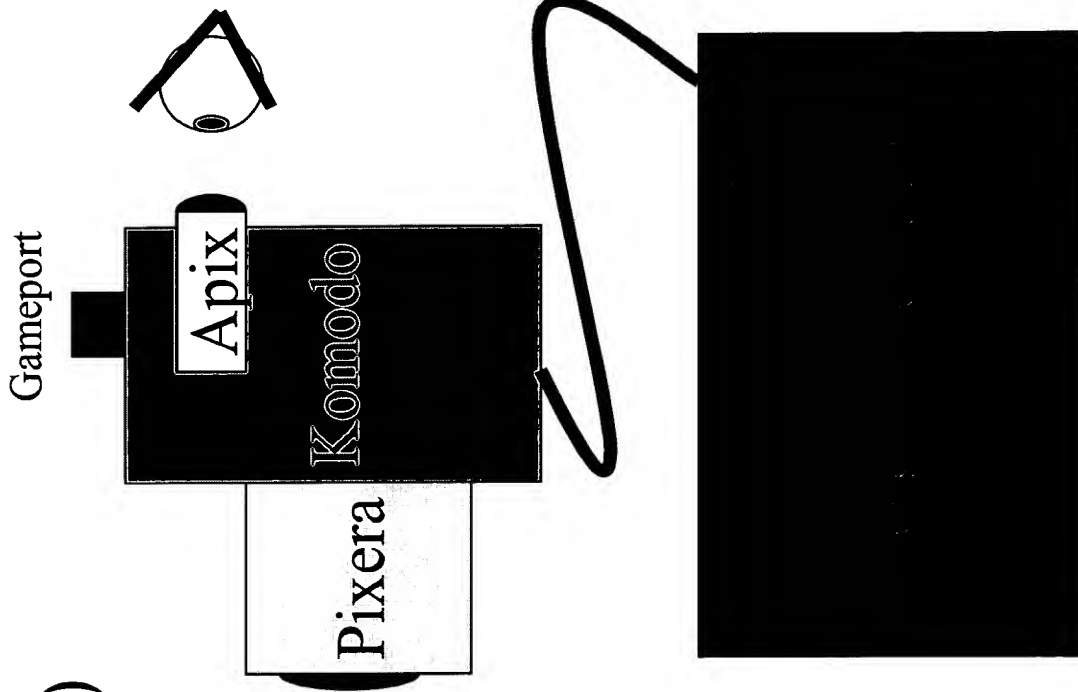
Will a microdisplay work well in a hand-held camera?



- Build a viewfinder display camera
- Test user-interface ideas
- Experiment with the camera in actual use

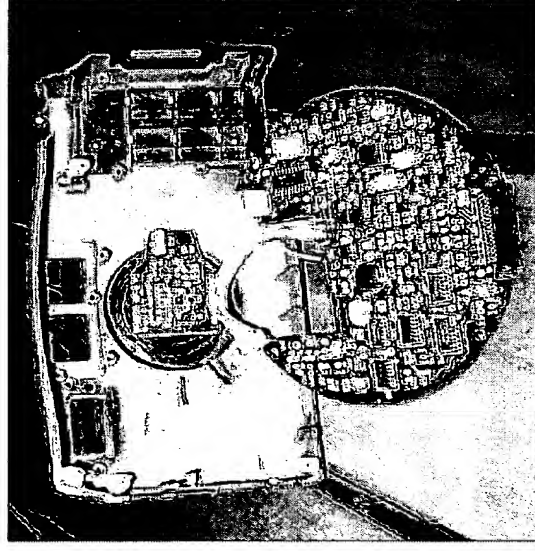
# Hardware

- Camera Body: Komodo (HID)
- Camera: Pixera
- Controller: Pentium desktop<sup>C-mount</sup>
- Display: Apix (ICBD)
- UI controls: Gameport
- Lens: C-mount
- View optics: HP (HID)

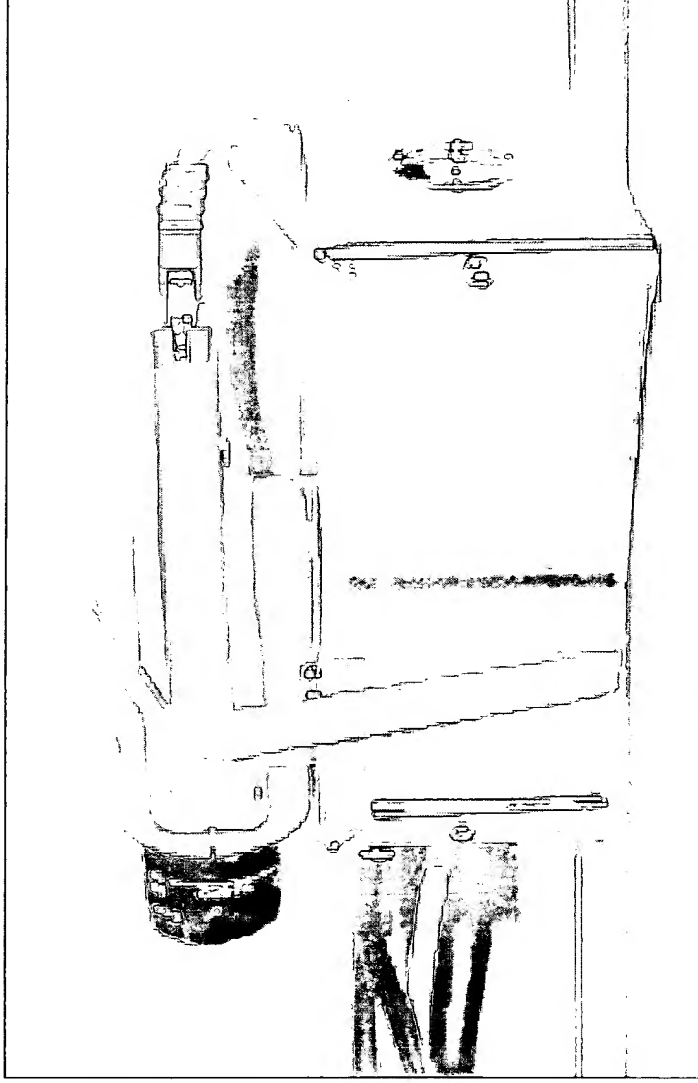


# Modified Komodo

We chose the Pixera camera,  
and we modified it to fit into  
the Komodo body.



# Interim Tester



H

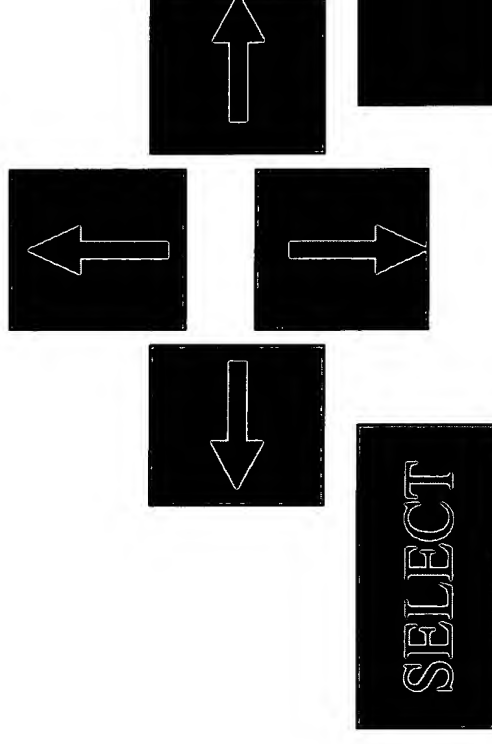
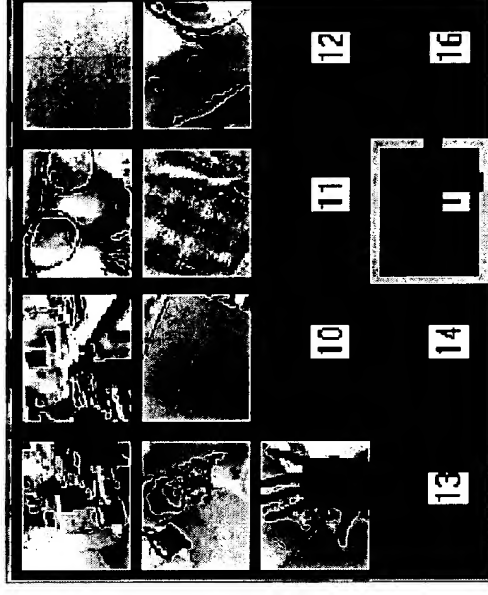
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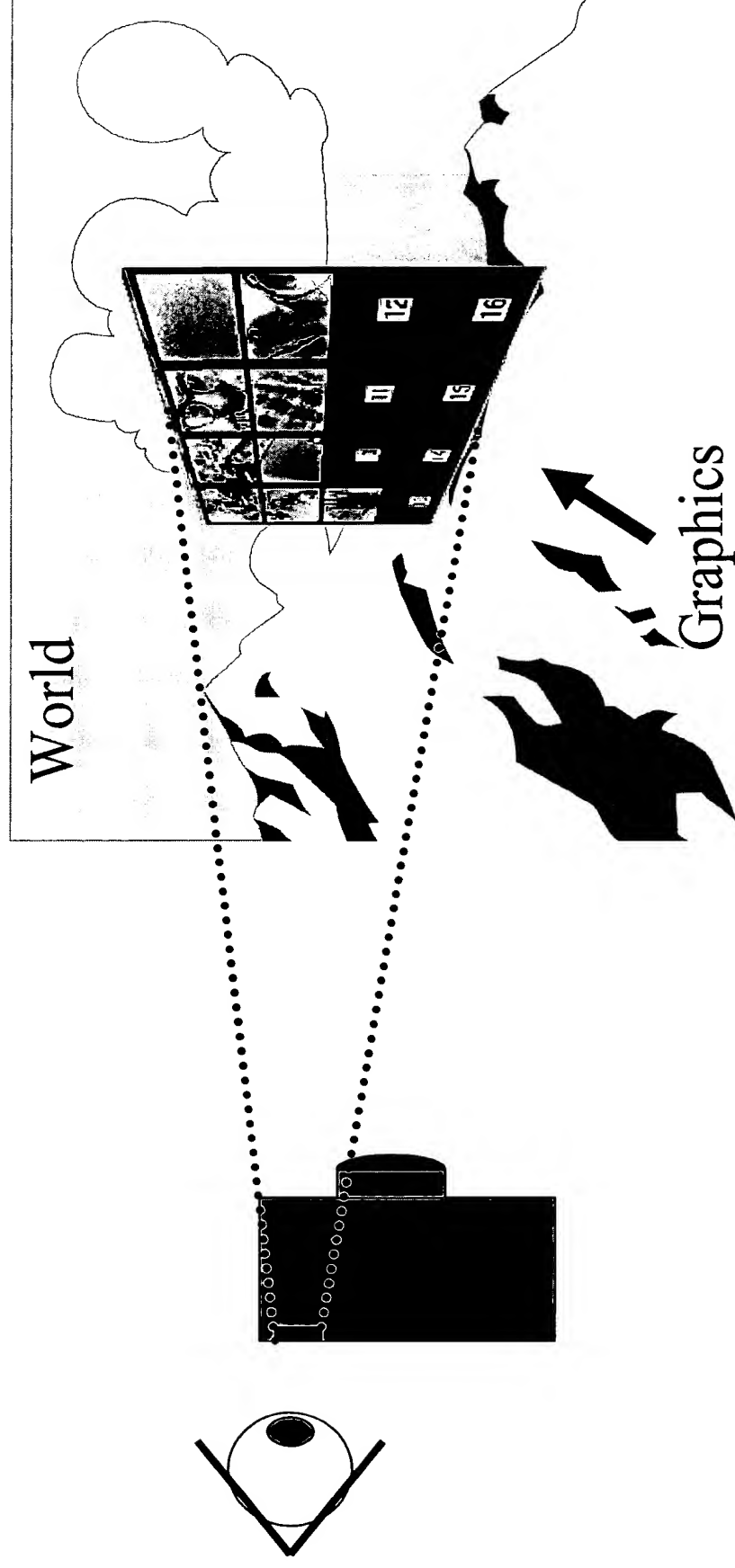


# Software

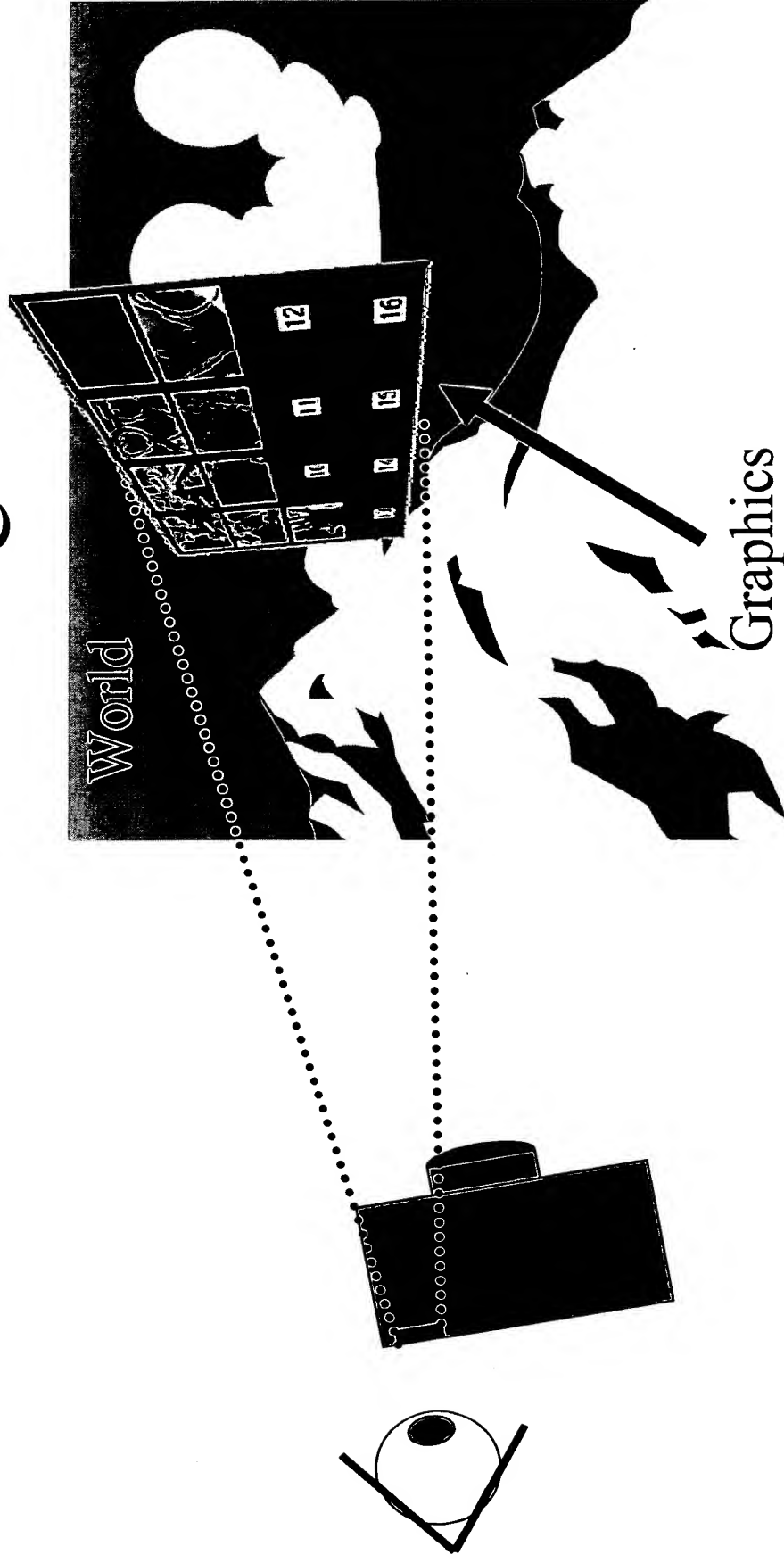
- How will the UI work?
- It may be difficult to look into the display and operate the controls at the same time.



# Using the Camera Like a Gun-sight



# Using the Camera Like a Gun-sight



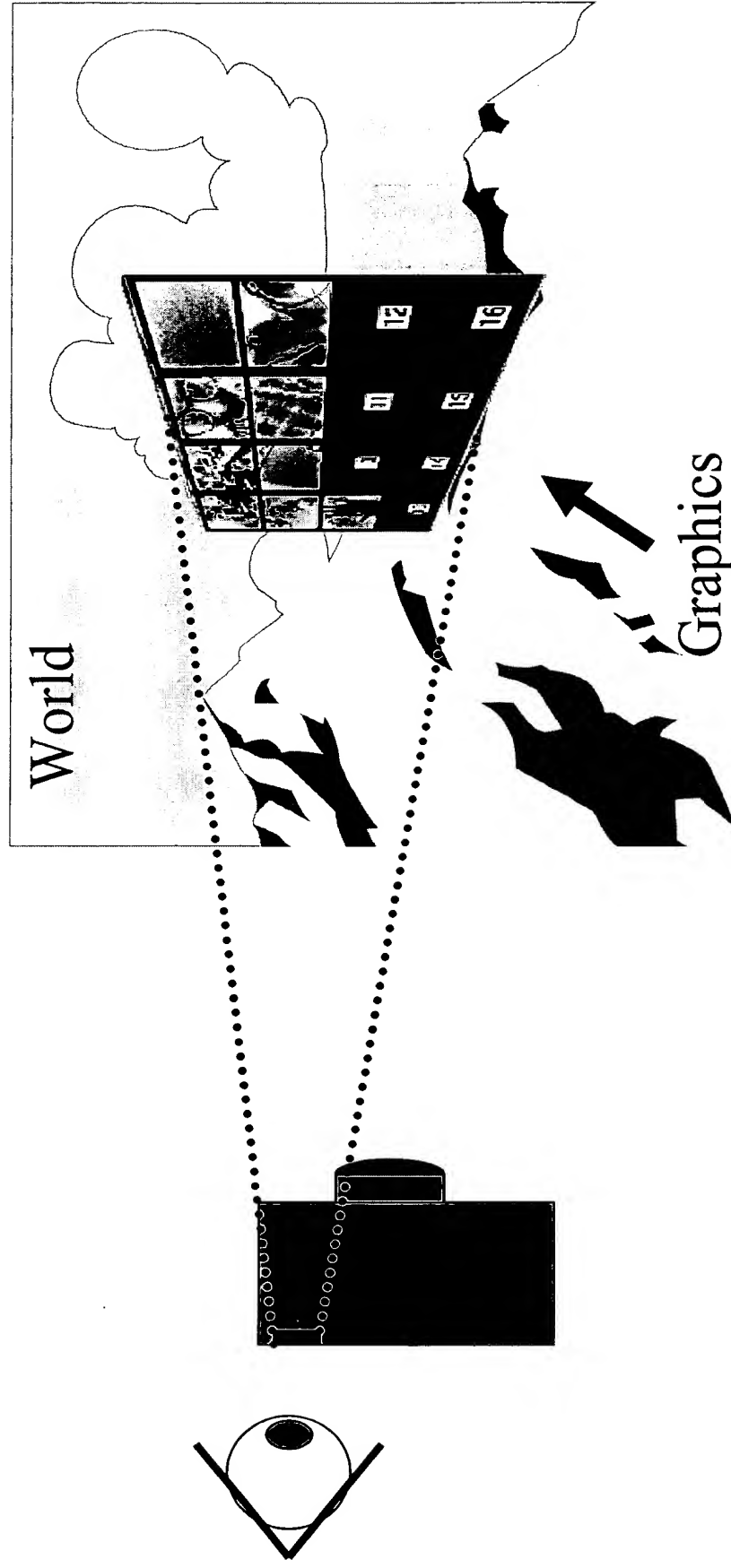
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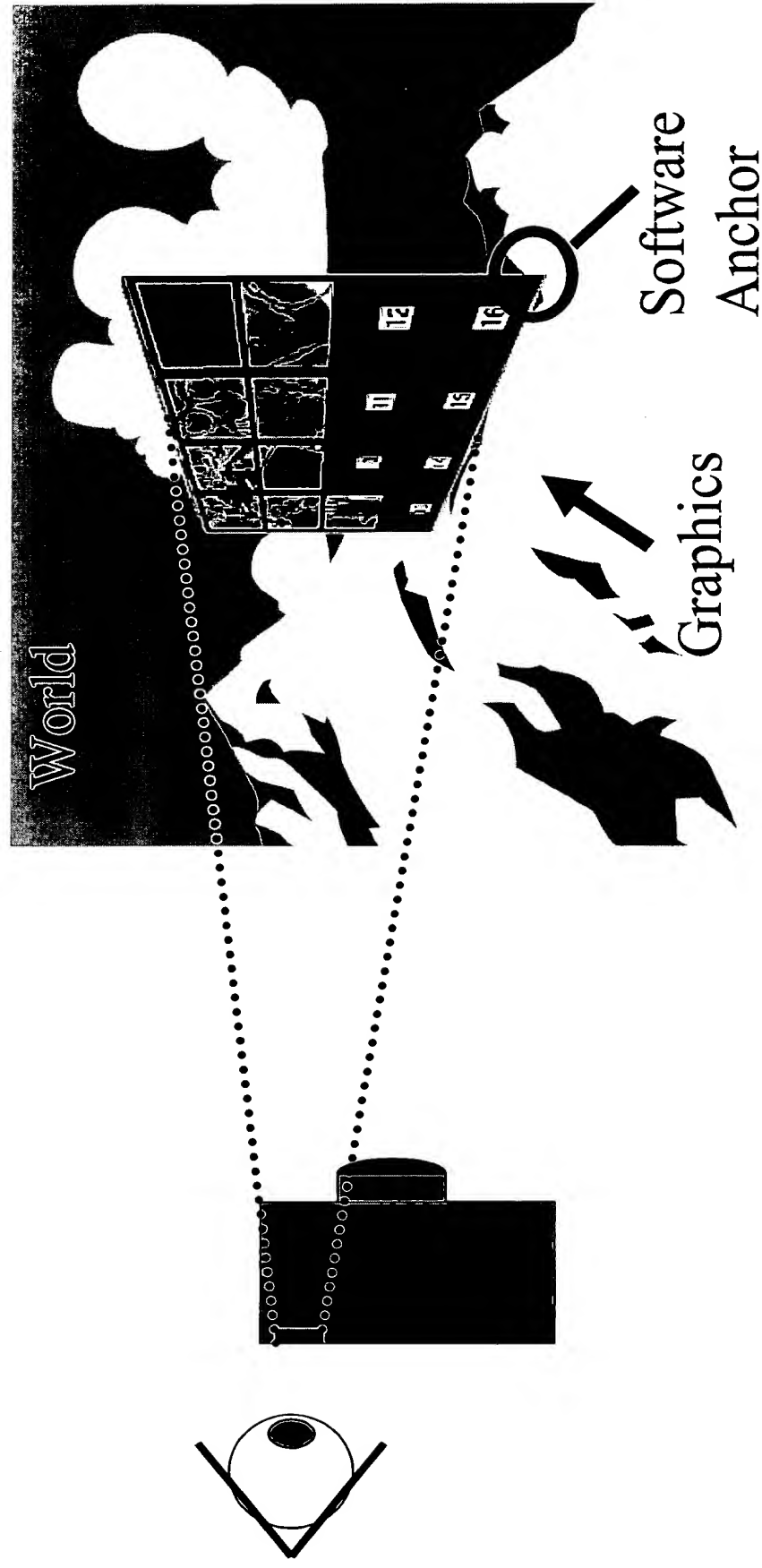
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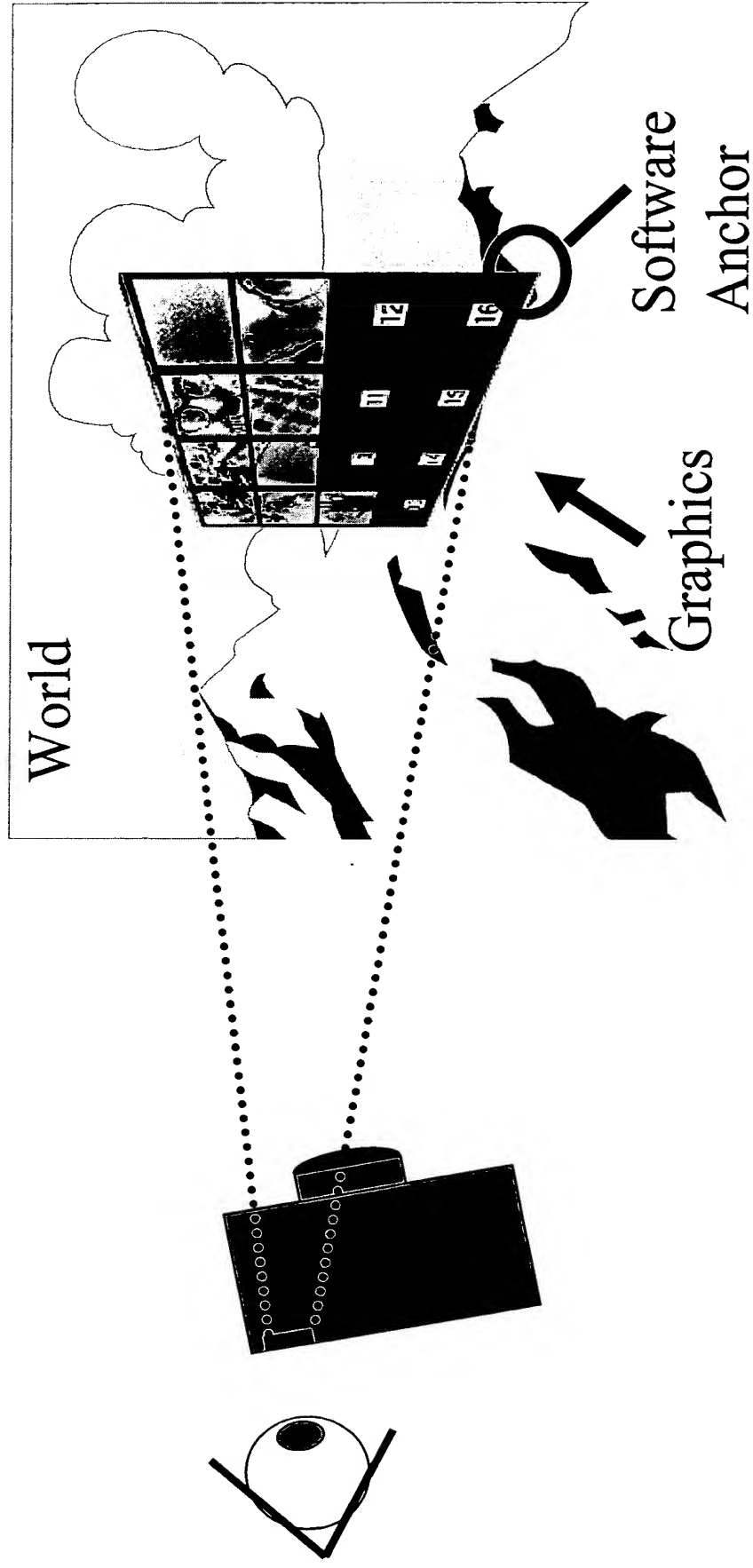
# Using the Camera Like a Gun-sight



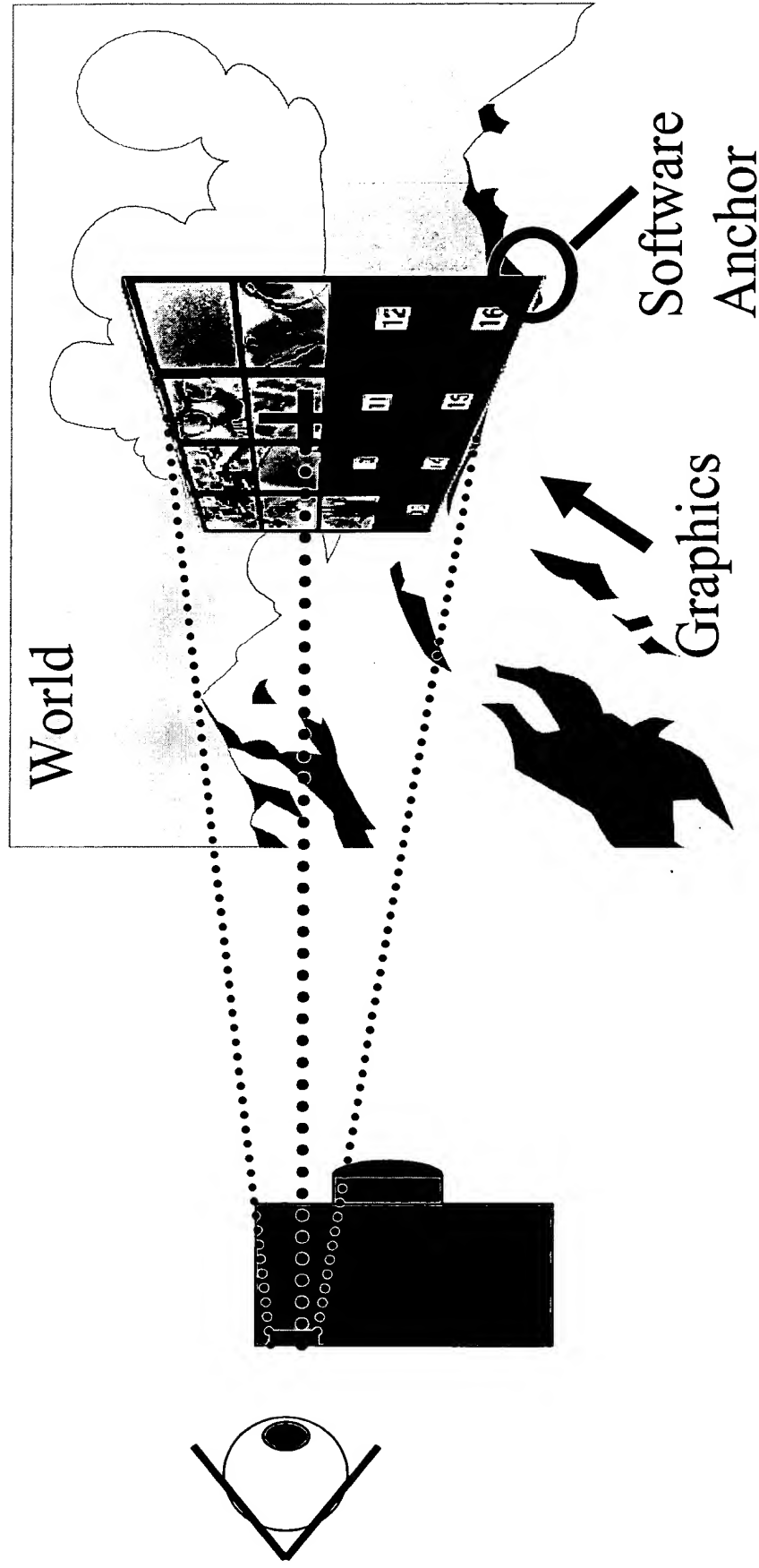
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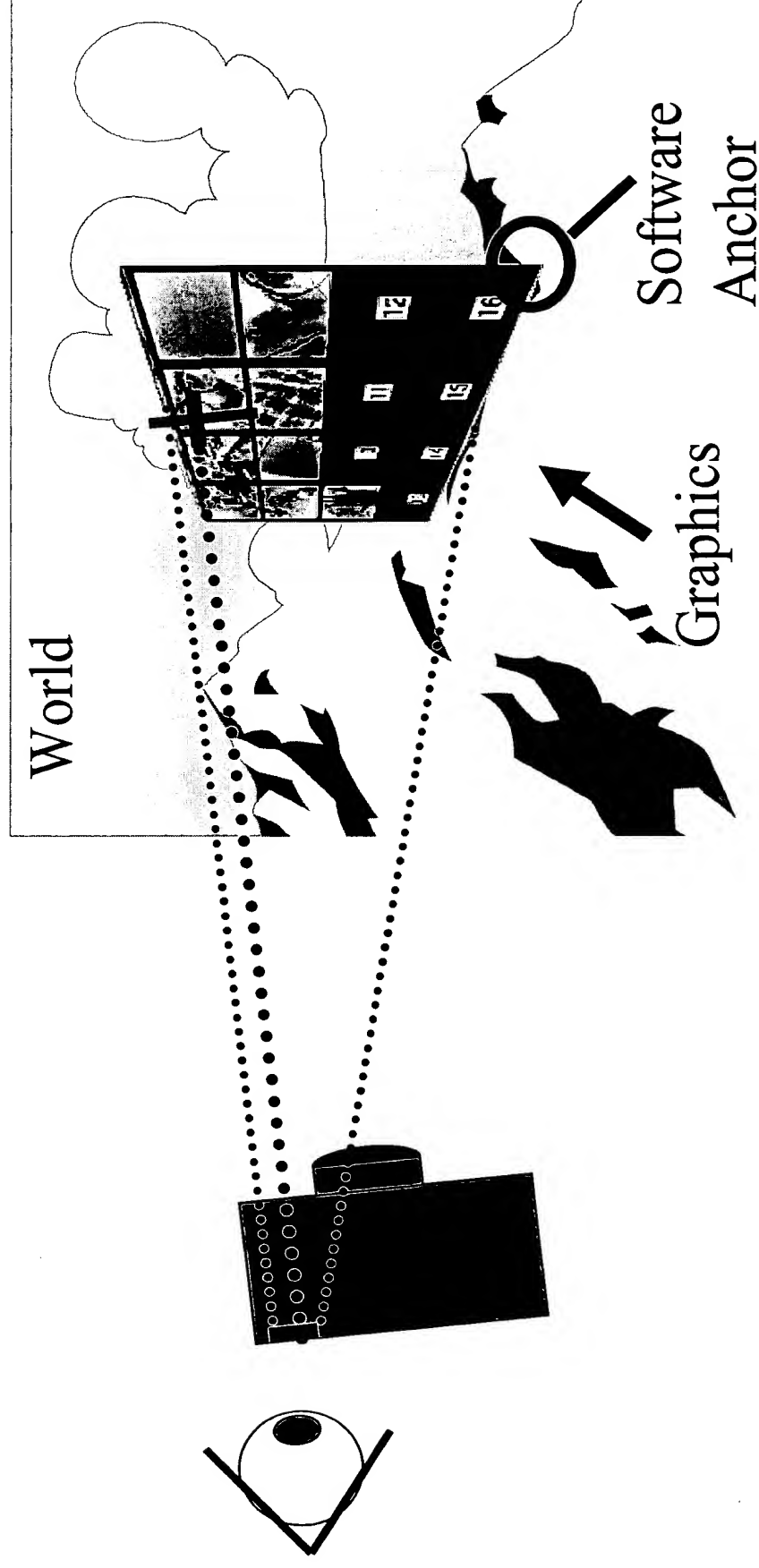
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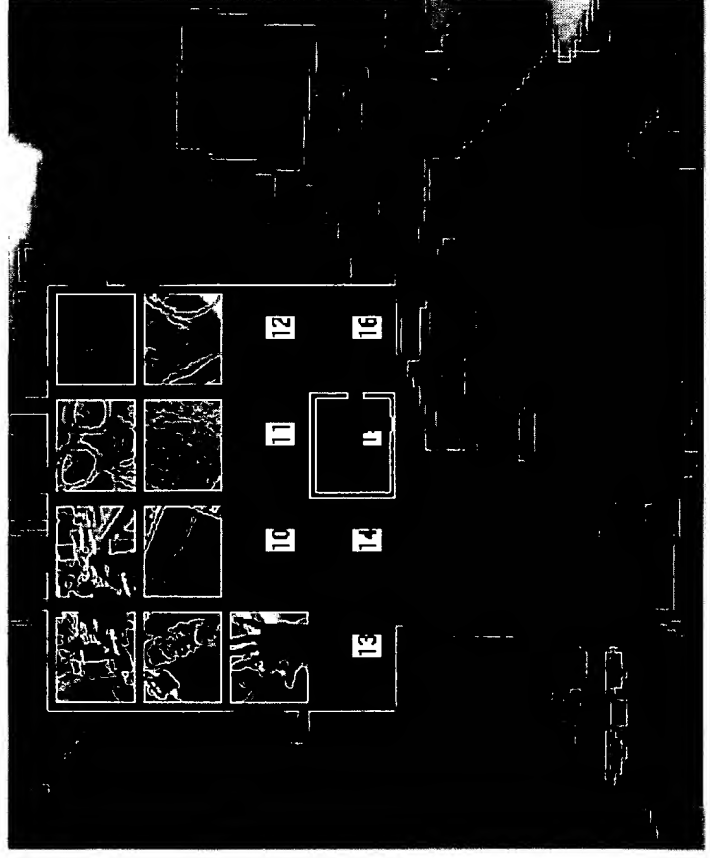


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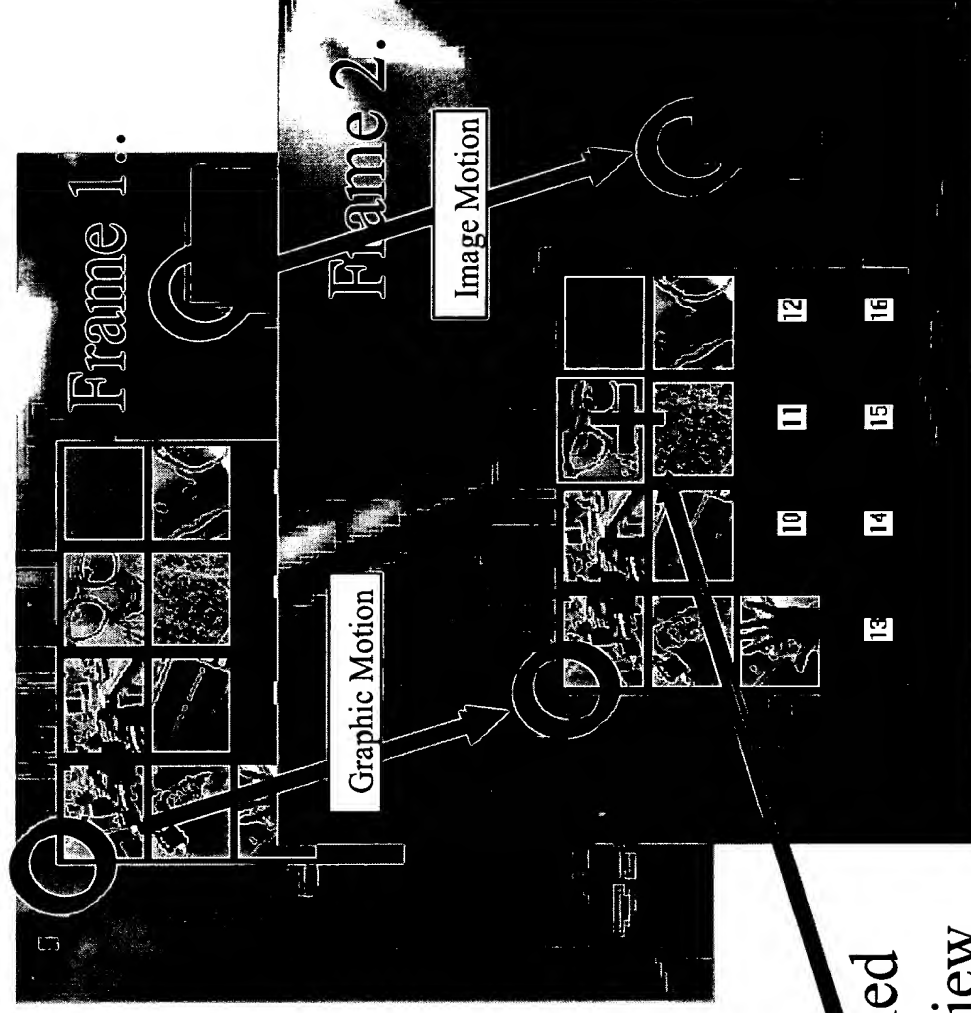


# Camera-Mouse

Use motion-tracking software  
(Andrew Patti) to track the  
position of the camera



# Camera-Mouse



Crosshairs cursor fixed  
in the center of the view.

# Flying Mouse



- Low cost
- Low power
- low light
- Built-in tracking algorithm